AMENDMENTS TO THE SPECIFICATION

Please replace the following paragraphs with rewritten paragraphs that are provided in amendment format:

Please replace the paragraph on page 5 beginning on line 24 and continuing on page 6 with the following amended paragraph:

Turning to Figure 1, an automotive vehicle, such ~~as an~~ as a passenger car, a sports utility vehicle, a van or even a truck, is shown at 10, and includes a pair of primary driving wheels 12, which are the front road wheels, and pair of secondary driving wheels 14, which are the rear road wheels. A driving engine 16 is provided which is either transversely or longitudinally mounted, and is coupled to a transmission 18 which may be of the automatic type or manual type. The driving engine 16 and transmission 18 constitute a power unit ~~which~~ that delivers torque through a transmission output shaft 20, such as the main shaft of the transmission 18. The output shaft 20 of the transmission 18 is connected to the primary driving ~~wheels 2~~ wheels 12 through a primary differential 22. The connection is direct in the sense that no slippage occurs between the output shaft 20 and the primary wheels 12.

Please replace the paragraph on Page 6 beginning on line 19 with the following amended paragraph:

Turing to Figure 2, an alternate automotive vehicle 30 is shown with essentially the same components as the vehicle 10, except that they are organized differently. In vehicle 30 the primary driving wheels 12 and primary differential 22 are at the rear of the vehicle, whereas the secondary driving wheels 14 and the secondary differential 24 are at the front of the vehicle. The driving engine 16 and transmission 18, while being at the front of vehicle 30, are mounted longitudinally. The output shaft 20 of the transmission 18 and the primary differential 22 are connected through a primary drive shaft 28. The torque coupling 100 is connected to the transmission output shaft 20 through a ~~chain 30~~ chain 31, and the torque coupling 100 is, in turn, connected to the secondary differential 24 through a secondary drive shaft 32.

Please replace the paragraph on page 7 beginning on line 14 with the following amended paragraph:

The torque coupling 100 apportions the torque delivered at the transmission 18 between the primary driving wheels 12 and the secondary driving wheels 14 to best satisfy the conditions under which the vehicle operates at the time. As shown in Figure 3, the torque coupling 100 includes an input member or shaft 102 connected to the shaft 20 of the transmission 18, and an output member or shaft 104 connected to the secondary differential 24. The two shafts 102 and 104 rotate about a common axis X. The torque coupling 100 further includes a planetary gear set 106 contained within a housing 108, and which is organized about the axis X. An optional output gear 109 is coupled directly to the housing 108, co-axial with the output shaft 104, to provide a second output path for the torque ~~convert~~ coupling 100. The planetary gear set 106 is connected to both the input and output shafts 102 and 104. Finally, the torque coupling 100 includes a clutch 110 ~~which~~ that is also located around the axis X, adjacent the input shaft 102 to the planetary gear set 106, such that torque is transferred between the input shaft 102 and planetary gear set 106 with slippage.

Please replace the paragraph on page 8 beginning on line 12 with the following amended paragraph:

The planetary gear set 106 includes a sun gear 112 having a stub shaft 114 extended from it into the ~~clutch 108~~ clutch 110. It also includes a ring gear 116 to which the input shaft 102 is coupled through the ~~housing~~ housing 108. A portion of the housing 108 is coupled to the input shaft 102, and is disposed in operative relationship with the ring gear 116. In addition, the planetary gear set 106 has planet gears 118 ~~which~~ that are located between the sun gear 112 and ring gear 116 and engage both. Finally, the planetary gear set 106 has a carrier 120 provided with spindles 122 on which the planet gears 118 rotate. The carrier 120 is connected directly to the output shaft 104. The gears 112, 116, and 118 together with the carrier 120 constitute elements of the planetary set 106.

Please replace the paragraph on page 9 beginning on line 6 with the following amended paragraph:

However, the apportionment of that torque between the primary wheels 12 and the secondary wheels 14 may not be equal, and under most driving conditions is not. The apportionment of torque between the primary wheels 12 and the secondary wheels 14 is dependent on the ~~clutch 38~~ clutch 110 of the torque coupling 100.